



# Arkansas Wireless Information Network

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Report to the

Joint Interim Committee on Advanced  
Communications and Information  
Technology

For the period ending December 31, 04



This report contains the following sections:

**Arkansas Wireless Information Network (AWIN) Program Status** – a short description of the program, a list of the projects related to the program, and achievements of the program for the month.

**Arkansas State Police (ASP) Network Upgrade Project Status** – additional detail on the ASP Network Upgrade.

**Chemical Stockpile Emergency Preparedness Plan Project (CSEPP) Status** -- additional detail on the CSEPP Project.

**Three County Pilot Project Status** -- additional detail on the pilot effort that will be implemented in Miller, Lonoke and Craighead counties.



## Arkansas Wireless Information Network

AWIN is a multi-phased approach to building the infrastructure to complete a statewide interoperable radio system across the counties command and control structure and state agencies. The first phase of the system will upgrade the existing Arkansas State Police (ASP) network to create the backbone for AWIN. The Arkansas Department of Emergency Management (ADEM) is integrating the planned upgrade to the Pine Bluff Chemical Stockpile Emergency Preparedness Plan (CSEPP) radio system into the first phase of AWIN. This effort will create operational efficiencies in both implementations. In addition, AWIN is working with three counties as a pilot program to build a fully interoperable radio system for these counties first responders. This effort will demonstrate the effectiveness of the operational design of AWIN.

### Program Director:

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### Program Manager:

Name: Penny Rubow

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Updated: 01/17/05

## PROJECTS

Project Name	Percentage Complete	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues
Arkansas State Police Upgrade	10%		X	-
Chemical Stockpile Emergency Preparedness Plan (CSEPP)	12%		X	-
Three County Pilot	-	X	-	-

## Program Funding

The funding information below reflects the base cost and funding plan as determined in August of 2004. Changes to cost and funding is reflected in detail in the individual project status in this report.

### Cost by identified Project:

ASP Network Upgrade	\$25,484,007.00
Three County Pilot Project	\$ 9,536,485.00
CSEPP	\$11,357,653.00
County Distribution for Command/Control	\$13,152,315.01
Bonding Expenses	<u>\$ 4,478,433.98</u>



TOTAL COSTS of AWIN PHASE 1	\$64,008,893.99
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**Funds Available:**

Federal Earmark Appropriation (held by ASP)	\$494,739.00
Federal Emergency Management Agency (FEMA) – CSEPP	\$11,357,653.00
Office for Domestic Preparedness (ODP) Previous Grants	\$3,680,070.98
FY04 State Homeland Security Grant Program – State Portion	\$ 4,821,370.00
FY04 State Homeland Security Grant Program – 3 County Pilot	\$ 9,536,485.00
FY04 State Homeland Security Grant Program – County Distribution	<u>\$13,152,315.01</u>
TOTAL Grant Monies Available	\$43,042,632.99
Bond Proceeds	<u>\$21,960,000.00</u>
TOTAL FUNDS AVAILABLE	\$65,002,632.99

## Program Update

**Policy working group established.** This group is charged with drafting policies that will guide the operational aspect of the AWIN system. These draft policies will be reviewed by the Local Leadership Council and the Steering Committee.

**Local Leadership Council and Steering Committee** are working together to identify ways the state and the local users can work together to ensure success of the system.



# Arkansas State Police Network Upgrade

The Arkansas State Police Network Upgrade will enhance the existing Arkansas State Police (ASP) network to create the backbone for AWIN. This effort will include the upgrade of existing towers, dispatch equipment and radios.

## Project Manager

Name: David Baker

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Updated: 01/03/05

## SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
<b>Schedule</b>		X	-	Scheduled cutovers for Troops E/F are being impacted by NEPA studies required for sites that are being added. These studies have hit roadblocks and are taking longer to complete than expected. A wetter than normal winter has hampered outdoor activities.
<b>Budget</b>	X	-	-	-
<b>Scope</b>	X	-	-	-

## SCHEDULE

Of the identified tasks, 10% have been completed. (See comments below)

There are 372 days remaining until project completion.

Phase	Start	End	Complete	Status
Contract	12/8/2003	2/2/2004	100%	Complete
Design Review	1/22/2004	6/30/2004	100%	Complete
Order Processing	7/1/2004	8/30/2004	100%	Complete
Manufacturing	2/27/2004	12/15/2004	59%	On-Track
Staging	7/29/2004	12/28/2004	74%	On-Track
Materials Management	8/20/2004	1/12/2005	71%	On-Track
Civil Work/FNE Installation (Milestone Dates)	7/1/2004	9/29/2005	29%	On-Track



TROOP A (Central Arkansas) FNE Installation Complete (4 Sites)	7/1/2004	08/26/05	5%	On-Track
TROOP B (NE Central Arkansas) FNE Installation Complete	10/12/04	9/19/05	1%	On-Track
TROOP C (NE Arkansas) FNE Installation Complete	02/23/05	11/10/05	1%	Slipping
TROOP D (East Central Arkansas) FNE Installation Complete	08/31/04	01/19/06	1%	Slipping
TROOP E (SE Central Arkansas) FNE Installation Complete	8/31/04	05/23/05	29%	On-Track
TROOP F (SE Arkansas) FNE Installation Complete	8/31/04	5/23/05	41%	Slipping
TROOP G (SW Arkansas) FNE Installation Complete	8/30/04	9/16/05	32%	Slipping
TROOP H (West Central Arkansas) FNE Installation Complete	08/16/04	09/30/05	13%	Slipping
TROOP I (North Central Arkansas) FNE Installation Complete	08/02/04	03/23/05	41%	Ahead
TROOP J (NW Central Arkansas) FNE Installation Complete	09/03/04	08/04/05	4%	Ahead
TROOP K (SW Central Arkansas) FNE Installation Complete	8/11/04	08/26/05	7%	On-Track
TROOP L (NW Arkansas) FNE Installation Complete	02/16/04	3/23/05	17%	Ahead
Finalize Outstanding Issues	02/04/04	1/10/2006	4%	On-Track

### Comments:

**Factory Acceptance Testing:** Factory Acceptance Testing scheduled for December was successfully completed.

**Schedule impact:** Wetter than normal weather in Arkansas is impacting the development of new sites.

**Regulatory application process:** National Environmental Protection Agency (NEPA), Federal Communications Commission (FCC), and Federal Aviation Administration (FAA) processes have taken longer than originally anticipated, due to issues arising out of the NEPA studies. Most of the current issues have been resolved. One remaining issue involving FEMA requirements for additional site monitoring related to NEPA studies remains to be completed. The team is working on identifying other sites where regulatory requirements may become an issue and will work to mitigate any schedule impact.

**Schedule Changes:** Due to weather and NEPA studies equipment installation schedule has been changed. While some regions are being delayed, other regions have been moved ahead in the



schedule. A scope change will be processed to re-baseline the schedule. When that change is approved the progress towards completion will be updated.

## BUDGET

Total Budget	Expenditures	% of Budget	Status
\$27,383,957.00	\$4,093,905.00		On Track

**Comments:** The total budget above includes the change request to obtain FCC Licenses. The expenditure above was made out of the Department of Information Systems Statewide Core Network account.

## SCOPE

Change Request	Schedule Impact	Budget Impact	Status

**Comments:** No change requests identified for December.



# Chemical Stockpile Emergency Preparedness Program (CSEPP)

The Chemical Stockpile Emergency Preparedness Program (CSEPP) was established to enhance the emergency preparedness in communities around the chemical stockpiles until the stockpiles are eliminated. The Pine Bluff Arsenal communicates daily with Jefferson and Grant counties and the Arkansas Department of Emergency Management to inform them of activities involving the stockpile.

## Project Manager:

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Updated: 01/14/05

## SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule		X		Scheduled cutovers for CESEPP sites are being impacted by an additional requirement from the Federal Emergency Management Agency (FEMA) for an Environmental Analysis on sites that are being added.
Budget	X	-	-	-
Scope	X	-	-	-

## SCHEDULE

Phase	Start Date	End Date	% Complete	Status
Contract	12/8/2003	2/2/2004	100%	Complete
Design Review	1/22/2004	6/30/2004	100%	Complete
Order Processing	7/1/2004	8/30/2004	100%	Complete
Manufacturing	2/27/2004	12/15/2004	100%	On-Track
Staging	7/29/2004	12/28/2004	100%	On-Track
Materials Management	8/20/2004	1/12/2005	71%	On-Track
Civil Work/FNE Installation	7/1/2004	06/20/2005	24%	On-Track





(Milestone Dates)				
Jefferson Sites Operational	08/31/04	3/21/05	29%	Slipping
Grant Sites Operational	2/17/04	7/22/05	10%	Slipping

#### Comments:

**Schedule impact:** Wetter than normal weather in Arkansas is impacting the development of new sites.

**Regulatory application process:** National Environmental Protection Agency (NEPA), Federal Communications Commission (FCC), and Federal Aviation Administration (FAA) processes have taken longer than originally anticipated, due to issues arising out of the NEPA studies. Most of the current issues have been resolved. One remaining issue involving FEMA requirements for additional site monitoring related to NEPA studies remains to be completed. The team is working on identifying other sites where regulatory requirements may become an issue and will work to mitigate any schedule impact.

#### BUDGET

Total Budget	Expenditures	% of Budget	Status
\$11,285,823.00	\$4300.00	<1%	On Track

#### Comments:

#### SCOPE

Change Request	Schedule Impact	Budget Impact	Status

**Comments:** No change requests identified for December.



## Three County Pilot

The Arkansas Wireless Information Network (AWIN) Three County Pilot Project will provide the initial efforts to bring the interoperable network to the county and city level emergency responders level. The scope of the project is to work with Craighead, Lonoke, and Miller counties in building a fully interoperable radio system, based on Project 25 standards, for all public safety agencies in these counties. This project will provide additional infrastructure needed at the county level, upgraded dispatch units and integration into AWIN. Each county system will be considered part of the overall AWIN system. Further, a repeatable process will be identified that can be used as other counties integrate their infrastructure into AWIN.

### Project Manager:

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Updated: 01/05/05

### SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
<b>Schedule</b>	X	-	-	-
<b>Budget</b>	X	-	-	-
<b>Scope</b>	X	-	-	-

### SCHEDULE

Phase	Start Date	End Date	% Complete	Status
<b>Project Initiation and Planning</b>	07/15/04	11/13/04	-	-
Preliminary Design	07/15/04	09/10/04	100%	On Track
Detailed Design	08/28/04	02/28/05	66%	On Track
Presentation of Detailed Design for Review and Approval	11/15/04	03/31/05	20%	On Track
<b>Final Approval of Design</b>	-	03/31/05		-
<b>Project Execution</b>	-	TBD	-	-
Equipment Purchase	-	TBD	-	-
Identify Frequencies	-	TBD	-	-
Implementation	-	TBD	-	-



Training	-	TBD	-	-
Cutover	-	TBD	-	-
<b>Project Close-Out</b>	-	TBD	-	-

**Comments:** The original intent was to have Project Planning phase completed by the End of the 2004 year. Due to the need for additional engineering studies on several tower sites this has pushed the planning phase out two months. This time frame was set arbitrarily and the extension of this planning phase does not represent a risk to the on time completion of the Three County Pilot. The overall pilot program remains contractually on schedule and the additional time in the planning phase is being used to ensure the assets deployed in the Three County Pilot are being used as efficiently as possible. When the planning phase is concluded project execution milestones will be reported.

## BUDGET

Total Budget	Expenditures	% of Budget	Status
\$10,443,960.00	\$7,140		On-Track

**Comments:** The total budget above includes the change request to obtain FCC Licenses. The expenditure above was made out of the Department of Information Systems Statewide Core Network account.

## SCOPE

Change Request	Schedule Impact	Budget Impact	Status

**Comments:** None